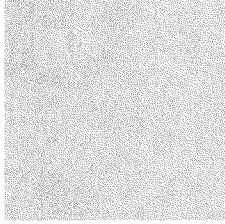**To:** Woolford, James[Woolford.James@epa.gov]
From: Murray, Bill
Sent: Tue 10/27/2015 9:17:26 PM
Subject: FW: Upper Animas/Cement Creek Water Quality
Key influencers presentation Oct 2015.pdf

Jim,

Have you seen this proposal? Thought you might find it interesting.

Bill

From: [BOYD COMPANY]Gregory Sparks [mailto:g-sparks@jtboyd.com]
Sent: Monday, October 26, 2015 10:04 AM
To: jromeo@durangoherald.com
Cc: Jorge_Delgado@gardner.senate.gov; John_Whitney@bennet.senate.gov; Marcus, Darlene; Larry Perino; deanbrookie@durangogov.org; Ginny Brannon - DNR; Stover - DNR, Bruce; patrick.j.pfaltzgraff@state.co.us; doug.jamison@state.co.us; bgardner@silverton.co.us; wsimon@frontier.net; bocc@sanjuancountycolorado.us; brad.blake@co.laplata.co.us; julie.westendorff@co.laplata.co.us; gwen.lachelt@co.laplata.co.us; troberts@fmtn.org; jmietchen@southernute-nsn.gov; Murray, Bill; Hestmark, Martin; Ostrander, David; Way, Steven; dyoung@keystone.org
Subject: Upper Animas/Cement Creek Water Quality

Hello Jonathan,

In conjunction with your recent article in the DH regarding Kinross's offer of $10 million toward treatment water in the Upper Animas Basin to improve water quality, I thought you may be interested in the attached presentation. I was formerly Vice President and General Manager of the Sunnyside Mine many years ago, so am very familiar with the hydrology of the area. I now work for the John T. Boyd Company (BOYD), an international mining, geological, and technical consulting group as Managing Director – Metals. BOYD has prepared a strategic plan to

permanently restore water quality in the Upper Animas River, which is primarily affected by the Cement Creek Drainage. This plan is comprehensive in scope, highly cost-effective, and can be implemented promptly.

We have presented this strategy to EPA, state and local government from both Colorado and New Mexico, Animas River Stakeholders, and interested private citizens. All, including EPA believe the strategy represents the best way forward ultimately. The issue is EPA (at least provisionally) believes, that the only alternative to effect the plan would be in the context of CERCLA (Superfund Designation). Under this process, it would take several years to move through the National Priorities List to be designated a Superfund Site before work could even begin on a permanent resolution. In the interim, only expensive "band-aid" fixes could be implemented. These would result in only partial mitigation of the problem, and are prone to upsets. Indeed, the temporary Gold King treatment plant alone, ignoring all of the other issues in the Cement Creek drainage would likely cost $6 million - $8 million or more by the time a permanent fix could be implemented under CERCLA based on EPA published figures. This coupled with the loss of the Kinross contribution of $10 million would likely pay for half of the total cost to permanently deal with ALL of the pollutants being emitted by Cement Creek drainage into the Upper Animas River.

It is conceivable that work on the permanent fix could be initiated by as early as summer 2016 following a detailed feasibility study if the study could be initiated within the next month or two, and if funding sources can be confirmed. We are continuing to work with all parties at interest to see if a more expedient way forward can be found which does not involve a CERCLA designation, as it is deemed too time consuming, would result in a loss of the Kinross contribution, and is not the preferred route by many.

Let me know if you have any questions. I am in Durango this week (I live here). I can be reached on my mobile or by e-mail.

Best,

Gregory B. Sparks, P.Eng., Q.P.
Managing Director - Metals

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